

coupled to a programmable-matched filter 315.

Page 56, lines 14-22, amend the paragraph as follows:

Similarly, the queued BS data are transmitted at a second BS data rate from the target-base station to the remote station. The queued BS data are transferred at a second BS data rate. The second BS data rate is greater than the first BS data rate. The second BS data rate and second RS data rate may be greater [tan] than the first BS data rate and the first RS data rate, respectively, due to sending packets at a higher data rate, or due to using parallel spread-spectrum channels, to effectively realize a faster data rate.

IN THE CLAIMS:

1. (Once Amended) In a spread-spectrum-communications system having a plurality of base stations and a remote station (RS), with the remote station communicating with a source-base station (BS) using spread-spectrum modulation, with the remote station transmitting data to the source-base station at a first BS data rate and a first BS power level, a method comprising the steps of:

monitoring, at the remote station, a [the] first signal quality of the first received-spread-spectrum signal;

scanning, at said remote station, a plurality of received-spread-spectrum signals radiated from the plurality of base stations, respectively;

storing, at said remote station, a plurality of signal qualities for the plurality of received-spread-spectrum signals, respectively;

selecting, from the plurality of received-spread-spectrum signals, at said remote station, using the plurality of signal qualities from the plurality of received-spread-spectrum signals, a second received-spread-spectrum signal having a second signal quality transmitted from a target-base station;

initiating, from said remote station, upon the first signal quality falling below any of a [the] predetermined handoff threshold, a handoff process;

transmitting, from said remote station, an RS-access-burst signal having a plurality of RS segments, with each RS segment having a plurality of RS symbols carrying differentially encoded BS power-control information, with the plurality of RS segments having a plurality of RS power levels, increasing in time, respectively;

queuing, upon requesting the handoff process to the target-base station, RS data for transmission from said remote station;

receiving, at said target-base station, the RS-access-burst signal at an RS detected-power level;

transmitting from said target-base station a BS-access-burst signal having a plurality of BS segments, with each BS segment having a plurality of BS symbols carrying differentially encoded RS power-control information, with the

plurality of BS segments having a plurality of BS power levels,
40 increasing in time, respectively;

differentially encoding, responsive to detecting the
BS-access-burst signal, the plurality of RS symbols with BS-
power control information including power level for said target-
base station;

45 differentially encoding, responsive to detecting the
RS-access-burst signal, the plurality of BS symbols with RS-
power control information including power level for said remote
station;

receiving at said remote station, the BS-access-burst
50 signal from said target-base station;

receiving at said target-base station, the RS-access-
burst signal from said remote station;

transmitting, from said remote station to said target-
base station, the queued RS data at a second RS data rate, with
55 the second RS data rate greater than [the] a first RS data rate,
thereby transferring the queued RS data to said target-base
station;

transmitting, from said target-base station to said
remote station, the queued BS data at a second BS data rate,
60 with the second BS data rate greater than the first BS data
rate, thereby transferring the queued BS data to said remote
station;

transmitting, from said remote station to said target-